

10016939

FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	
(Use several sheets if necessary)	
(37 CFR 1.98(d))	



ATTY. DOCKET NO. DENSE-052A

SERIAL NO. 10/016,839

APPLICANT Glen E. Roeters, et al.

FILING DATE December 14, 2001

GROUP 2829

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
OK	3	7	2	3	9	7	7	03-27-1973	Schaufele			
	3	7	4	6	9	3	4	07-17-1973	Stein			
	4	3	7	1	9	1	2	02-1-1983	Guzik			JUN 03 2002
	4	6	3	8	3	4	8	01-20-1987	Brown et al.			
	4	7	6	1	6	8	1	09-02-1988	Reid			
	4	8	4	1	3	5	5	06-20-1989	Parks			
	4	8	5	1	6	9	5	08-25-1989	Stein, Karl-Ulrich			
	4	8	6	8	7	1	2	09-19-1989	Woodman			
	4	9	5	6	6	9	4	09-11-1990	Elda			
	5	1	1	7	2	8	2	05-26-1992	Salatino			
	5	1	2	8	8	3	1	06-07-1992	Fox, III et al.			
	5	1	9	8	8	8	6	03-30-1993	Sugano et al.			

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

EXAMINER:

DATE CONSIDERED

3/3/05

EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Attn: Kim M. Sietina
 STETINA BRUNDA GARRED & BRUCKER
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FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DENSE-052A	SERIAL NO. 10/016,539
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Glen E. Roeters, et al.	
(37 CFR 1.98(b))		FILING DATE December 14, 2001	GROUP 175 2829

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DR</i>	5 4 4 8 5 1 1	09-06-1995	Paurus et al.								
	5 4 6 6 6 3 4	11-14-1995	Baistein, Jr. et al.								
	5 5 1 4 9 0 7	05-07-1996	Moshayedi								
	5 6 0 7 5 3 8	03-04-1997	Cooke								
	5 6 1 2 5 7 0	03-16-1997	Eldz et al.								
	5 6 4 6 4 4 6	07-15-1997	Nicewamer, Jr. et al.								
	5 7 0 0 7 1 5	12-23-1997	Pasch								
	5 7 1 2 7 6 7	01-27-1998	Kolzulni								
	5 7 3 1 6 3 3	03-24-1998	Clayton								
	5 7 5 9 0 4 6	06-02-1998	Ingraham et al.								
	5 8 1 8 1 0 6	10-06-1998	Kunimatsu								
	5 8 6 9 3 5 3	02-09-1999	Levy et al.								

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (including Author, Title, Date**, Relevant Pages, Place of Publication***)

EXAMINER *Juris S. Jula* DATE CONSIDERED *3/3/05*

EXAMINER initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DENSE-052A	SERIAL NO. 10/016,939
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Glen E. Roetters, et al.	
(Use several sheets if necessary)		FILING DATE December 14, 2001	GROUP 175 2829
PTO-1449 (37 CFR 1.98(b))			

PATENT DOCUMENTS

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION		
													YES	NO	
ZORTE		6	-	7	7	6	4	4	03/1994	Japan				X	
		4	2	0	9	5	6	2	07/1992	Japan					X
		2	2	3	9	6	5	1	09/1990	Japan					X
		5	6	8	8	3	2	4	07/1981	Japan					X
		6	0	1	9	4	5	1	8/10/1985	Japan					X

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06/20/20

OTHER DOCUMENTS (including Author, Title, Date**, Relevant Pages, Place of Publication**)

AT

ANONYMOUS, "Organic Card Device Carrier, Research Disclosure, May 1990, Number 313
"Megabyte per cubic inch," Defense Science, May 1988, p. 56
"Three Dimensional Packaging," Defense Science, May 1988, p. 65
Robert Amunroe, "Ball Grid Array Technology," EDN Products Edition, Jan 1997, pp. 23-24

AT

D AT

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO		(Complete if Known)	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/016,939
Sheet	4	of	13
Filing Date	December 14, 2001		
First Named Inventor	Glen E. Roeters		
Art Unit	2829		
Examiner Name	David A. Zarnetke		
	Attorney Docket Number	DPAC-052A / AK 155574	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
DAZ	US-5,817,709		6/29/1999	Johnson, et al.	
	US-5,895,970		4/20/1999	Miyoshi, et al.	
	US-5,841,721		11/24/1998	Kwon, et al.	
	US-5,805,422		9/8/1998	Otake, et al.	
	US-5,804,870		9/8/1998	Burns	
	US-5,801,439		9/1/1998	Fujisawa, et al.	
	US-5,789,815		8/4/1998	Tessier, et al.	
	US-5,783,464		7/21/1998	Burns	
	US-5,778,552	522	7/14/1998	Burns	
	US-5,776,797		7/7/1998	Nicewamer, Jr., et al.	
	US-5,764,497		6/9/1998	Mizumo, et al.	
	US-5,763,296		6/9/1998	Cesati, et al.	
	US-5,729,894		3/24/1998	Rostoker, et al.	
	US-5,657,537		8/19/1997	Sala, et al.	
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DAZ	US-5,438,224		8/1/1995	Papageorge, et al.	

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EXAMINER'S REPORT ON FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ² -Number ³ -Kind Code ⁴ (if known)	MM-DD-YYYY		T ⁵

Examiner Signature	/David Zarnetke/	Date Considered	05/18/2006
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 8 of 13

Complete if Known	
Application Number	10/016,939
Filing Date	December 14, 2001
First Named Inventor	Glen E. Roeters
Art Unit	2829
Examiner Name	David A. Zameke
Attorney Docket Number	DPAC-052A / AK 155574

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² or Name	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DAZ		US-6,313,988	11/6/2001	Kledzik	
		US-6,303,981	10/16/2001	Moden	
		US-6,097,087	8/1/2000	Farnworth, et al.	
		US-6,028,352	2/22/2000	Eide	
		US-5,925,034	7/20/1999	Lim	
		US-5,835,988	11/10/1998	Ishii	
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		US-5,744,827	4/28/1998	Jeong, et al.	
		US-5,677,569	10/14/1997	Choi, et al.	
		US-5,375,041	12/20/1994	McMahon	
		US-5,259,770	11/9/1993	Bates, et al.	
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		US-5,240,588	8/3/1993	Uchida	
		US-5,219,794	6/15/1993	Satoh, et al.	
		US-5,158,912	10/27/1992	Kellerman, et al.	
		US-5,122,862	6/16/1992	Kajihara, et al.	
		US-5,081,067	11/14/1992	Shimura, et al. SHIMIZU ET AL.	
		US-5,064,762	11/12/1991	Nishiguchi	
		US-4,839,717	6/13/1989	Phy, et al.	
DAZ		US-4,758,875	7/19/1988	Fujisawa, et al.	

06/20/06

Examiner Signature	/David Zarneke/	Date Considered	05/18/2006
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1449 05/24/06 (page 8 of 20)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet 9 of 13

Information Disclosure Statement by Applicant	
Application Number	10/016,939
Filing Date	December 14, 2001
First Named Inventor	Glen E. Roeters
Art Unit	2829
Examiner Name	David A. Zameke
Attorney Docket Number	DPAC-052A / AK 155574

List of Cited Patent Documents					
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		Number-Kind Code ² (If known)	MM-DD-YYYY		
DAZ	US-4,722,691		2/2/1988	Giadd, et al.	
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	US-2005/0040508 A1		2/24/2005	Lee	
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	US-2004/0203190 A1		10/14/2004	Pflughaupt, et al.	
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	US-2004/0031972 A1		2/19/2004	Pflughaupt, et al.	
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V	US-6,492,718 B2		12/10/2002	Ohmori	
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06/20/06

List of Foreign Patent Documents						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (If known)	MM-DD-YYYY			

Examiner Signature	/David Zameke/	Date Considered	05/18/2006
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